Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Wednesday 08 Feb 2023 until 23:59 on Thursday 09 Feb 2023

Forecast Issued on Wednesday 08 Feb 2023 at 00:23

Confidence: High for often dry conditions. Medium for cloud details.

Headline for Wednesday 08 Feb 2023: Cloud lifting for a time. Cold and windy over the summits.

Mountain weather hazards on Wednesday 08 Feb 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG	FOG			
Fog	Fog	Fog	Cloudy	Cloudy	Sleet
Precipitation probability					
20%	10%	<05%	<05%	10%	70%

Forecast for Wednesday 08 Feb 2023

Weather: Cloudy early morning with occasional light rain and drizzle. The cloud thinning and breaking during the morning with some bright, perhaps sunny, spells developing. Lowering cloud with outbreaks of rain later in the evening, wintry over the summits.

Chance of cloud-free hill tops above 800m: Nil to 20% rising 70% in the afternoon

Low cloud and visibility: Extensive cloud, base 300 to 500m, overnight and early morning, becoming occasional or extensive around 600m by afternoon, the best of the breaks across the Northern and Far Eastern Fells. A marked temperature inversion around 800m could see the highest summits become sunny. Visibility moderate to very poor early and late in the day, but most good or very good in the afternoon.

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Mountain Weather Forecast

Forecast for Wednesday 08 Feb 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	32/38 SW	33/42 S	34/44 S	36/47 S	43/55 SW	37/49 SW	24/31 W
600	26/33 SW	31/42 S	32/43 S	32/44 S	36/50 SW	29/42 SW	20/28 W
300	9/25 S	14/33 S	15/34 S	14/35 S	16/40 SW	13/34 SW	9/24 W
Valley	8/21 SW	12/26 S	13/28 S	14/31 S	16/36 SW	15/33 SW	10/23 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	1/-7	-0/-9	-0/-8	-0/-9	-0/-9	1/-8	-2/-9
600	2/-4	1/-6	2/-6	2/-6	2/-6	3/-4	0/-6
300	4/0	3/-1	4/-0	4/-0	4/-0	5/1	3/-1
Valley	6/3	6/2	6/3	7/3	7/3	7/3	5/2
Freezing Level*	1000m	800m	800m	800m	900m	1100m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Details around the temperature inversion Medium confidence at best.

Forecast for Thursday 09 Feb 2023

Weather: Mainly dry and bright, although the odd light wintry shower possible. Any snow mainly above 600 to 800m.

Maximum wind: West 25mph gusts 35mph with a significant wind chill.

Chance of cloud-free hill tops above 800m: 80%, but lower in any showers.

Low cloud and visibility: Occasional or extensive cloud, base mainly above the summits, but lowering 600 to 800m in any showers. Visibility very good or excellent, but reducing significantly in any showers.

Temperature: **Valleys:** Plus 2 Celsius rising to 7 Celsius
At 800m: Minus 2 rising to Zero Celsius
Freezing level: 600m or less at first, rising to around 800m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Tuesday 7 February 2023. Location: Scafell Pike summit 977m at 11:35. Full report: The vast majority of the Lakeland fells and paths up to, and including, summit level are clear of snow and ice. On Scafell Pike only 2 completely insignificant patches of snow were seen all day (although visibility was down to 20m at times and I was in cloud from 450m in altitude!) Above 800m, there were occasional, easily avoided, patches of ice on paths. Probably the only snow now remaining on any paths in the Lake District are on the exits to both Striding and especially Swirral Edges on Helvellyn. However, both these snow patches can be avoided by exiting Striding Edge slightly to the south and Swirral Edge marginally to the north of the snow bank – although this is steep. The only other snow that remains is located above 850m in isolated spots and hollows, with the majority now above 900m, on north and east facing aspects. All such snow on Monday was rock hard and icy although owing to its location it is of little concern to walkers. Small cornices (snow overhangs) exist above steep north and east facing aspects – such as along Helvellyn's summit plateau - with some having already collapsed so please simply keep off the snow along any such edges and advise those with less experience to do likewise. Despite the milder valley temperatures, the summit windchill (what the temperature actually feels like) remains below zero (minus 5 degrees C around midday) which quickly chilled those who had elected to ascend the fells not carrying a rucksack, hence full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots and equipment including a torch, map and compass are all essential to safely – and enjoyably - roam the fells. Temperature: plus 1.3 C, Maximum wind speed 17.2 mph, Wind chill: minus 5.5 C, Average wind speed: 12.1 mph

Issued at: 00:23 on Wed 08 Feb 2023

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